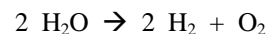
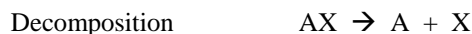
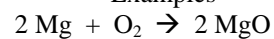


Types of chemical reactions

The following are the basic chemical reactions that you should be familiar with. Know the mathematical representation of the problem as well.

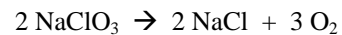


Examples

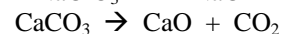


Note the following types of special case decomposition reactions:

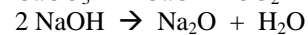
Metal chlorate \rightarrow metal chloride and oxygen



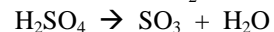
Metal carbonate \rightarrow metal oxide and carbon dioxide



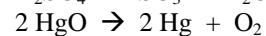
Metal hydroxide \rightarrow metal oxide and water



Oxyacids \rightarrow nonmetal oxide and water



Binary compounds simply decompose



Note the following types of special case replacement reactions:

Replacement of a metal by a more active metal

Replacement of a halogen by a more active halogen

Replacement of hydrogen by a metal in an acid

Replacement of hydrogen by a metal in water

